

Patent  
PD-202109  
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen et al. : I hereby certify that this correspondence is  
Serial No.: 10/519,322 being electronically filed with the United  
Filing Date: 12-23-2004 States Patent and Trademark Office  
For: IMPROVING HIERARCHICAL addressed to:  
8 PSK PERFORMANCE Mail Stop Amendment, Commissioner for  
Group Art Unit: 2611 Patents, P.O. Box 1450, Alexandria, VA  
Examiner: ANH, Sam K. 22313-1450 on the date below.  
  
\_\_\_\_\_  
Georgann S. Grunebach  
Typed or printed name of person signing certificate  
Date: August 22, 2007

**SUPPLEMENTAL DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97 (c)**

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

This statement should be considered because it is submitted after the mailing date of a first Office action on-the-merits, but before the mailing date of any of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application.

No fee is due as this statement is submitted as certified below under 37 C.F.R. §1.97(e)(1) or (2) by the undersigned.

**CITATION NUMBER 1**

Certification Under 37 C.F.R. §1.97(e)(1)

Each item of information contained in the information disclosure statement for citation number 1 was first cited in a communication from a foreign patent office in a counterpart foreign application of a related U.S. patent application not more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. § 1.97 (e)(1)).

**CITATION NUMBER 2**

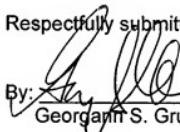
Certification Under 37 C.F.R. §1.97(e)

No item of information contained in the information disclosure statement for citation number 2 was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. § 1.97 (e)(2)).

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By:

  
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August 22, 2007

Substitute for form PTO/SB/08A		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/519,322
		Filing Date	December 23, 2004
		First Named Inventor	Ernest Chen
		Art Unit	2611
		Examiner Name	AWN, Sam K.
Date: August 22, 2007			
Sheet 1 of 1		Attorney Docket Number	PD-202109

#### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

#### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
	1	JP 2002118611 (English abstract)	04-2002	Sharp KK		

#### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	2	PALICOT, J., VEILLARD, J.; "Possible Coding and Modulation Approaches to Improve Service Availability for Digital HDTV Satellite Broadcasting at 22 GHz"; IEEE Transactions on Consumer Electronics; Vol. 39, Issue 3; August 1993; pages 660-667	

#### ALLOWED CO-PENDING RELATED APPLICATIONS

Examiner Initials*	Application Number	Filing Date	Inventor(s)	Notice of Allowance Date
	10/693,135	10-24-2003	Chen	June 20, 2007
	10/532,632	04-25-2003	Chen et al.	July 29, 2007

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.